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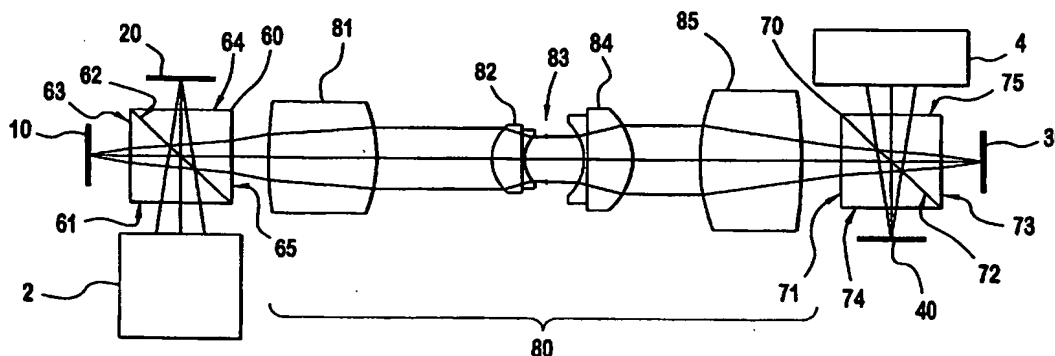
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(54) Title: **HIGH CONTRAST STEREOSCOPIC PROJECTION SYSTEM**



(57) Abstract: A stereoscopic projection system is provided having two channels, each having two LCOS imagers that modulate light on a pixel-by-pixel basis. A first polarizing beam splitter is configured to direct light of a first polarization onto a first channel first stage LCOS imager and direct light of a second polarization, opposite the first polarization, onto a second channel first stage LCOS imager. A relay lens system directs the output of the first stage imagers into a second polarizing beam splitter. The second polarizing beam splitter is configured to direct light of the second polarization onto the first channel second stage LCOS imager and direct light of the first polarization onto the second channel second stage LCOS imager.

WO 2004/051994 A1